

BOSE-EINSTEIN CONDENSATE
STATE OF MATTER where
the atoms lose their
IDENTITY

.0000000001 K

$$Q = m C_P \Delta T$$

heat
MASS
(how much)
Specific heat
(MATERIAL
PROPERTY)

Change in
Temp

heat travels From hot to cold
heat travels in 3 ways

1. CONDUCTION

Heat transfers through
direct contact

- Touch a burner
- Touching a thermometer
- WATER Touches the pot

2. CONVECTION
HEAT TRANSFERS BY movement
of a FLUID (liquid or gas)
CIRCULATION of fluid



3. RADIATION

HEAT TRANSFERS THROUGH
ELECTROMAGNETIC WAVES.

SUN → EARTH

